



Fielding the Warfighters C2 Vision

Presidents Forum

11 May 00

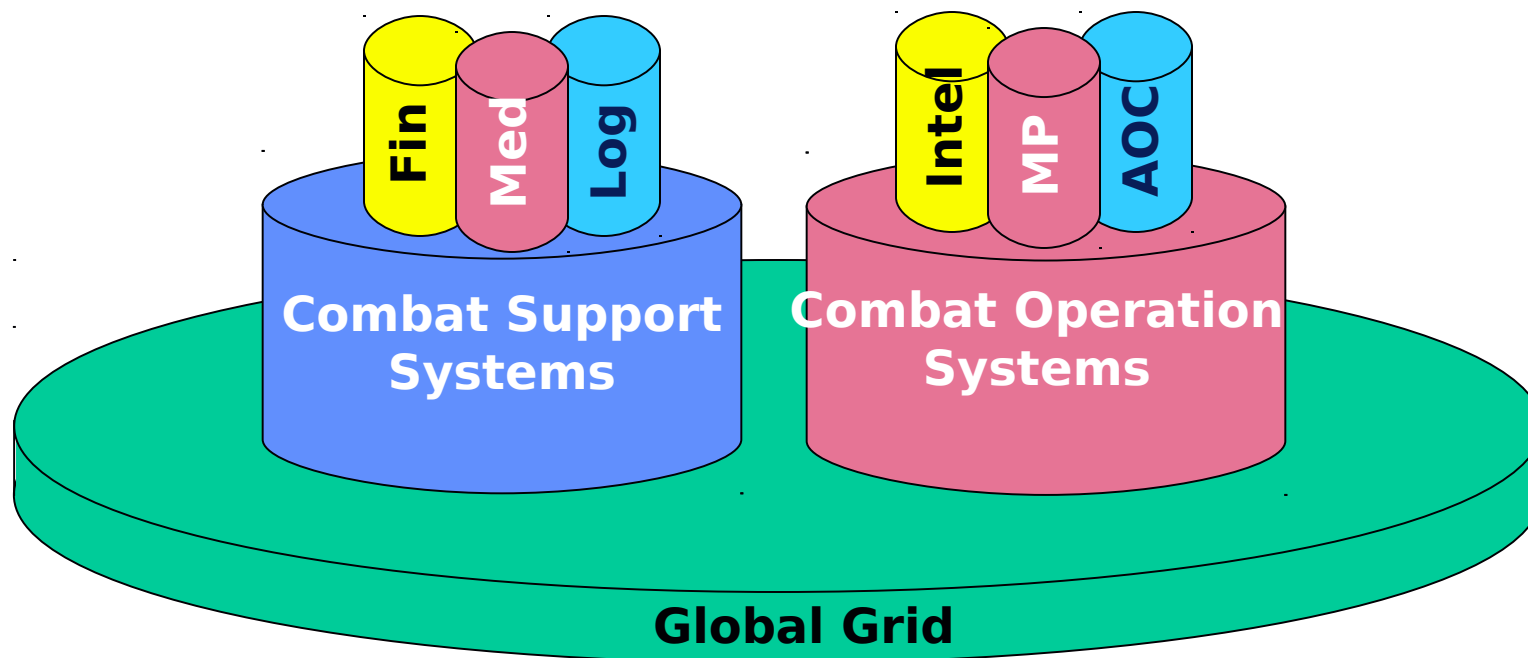
**Lt Gen Leslie
Kenne**





The C2 System Today

\$3.5B Annual Investment at ESC



How do we .com the Combat Ops & Support Systems?



Why Change?

The ACC Message Is Clear!

- **C2 Needs to Change**
 - **Doesn't Meet Warfighters Needs**
 - **Not integrated and interoperable**
 - **Capability takes too long to field**
- **Warfighter focused on the right things**
 - **Manage C2 as a weapon system**
 - **Effects based decision making**
 - **Capability focused CONOPS**

C2 acquisition system must enable and support warfighter vision



Why Change? Business Processes

- **To succeed, C2 development must:**
 - **Use commercial information systems & technologies**
 - **Accommodate their rapid evolution**
 - **Enable legacy system capabilities**
- **Current DoD business models focused on building planes & tanks, and....**
 - **Are serial in nature**
 - **Take too long**
 - **Are not suited to rapidly evolving technologies (IT)**
- **We must leverage commercial industry and their enabling business practices**



Commitment to Change

- **COMACC primary focus area**
- **CSAF commissioned SAB**
- **SECAF visit to IT companies**
- **Presidents Day Forum**

he highest levels in the Air Force are committed to change



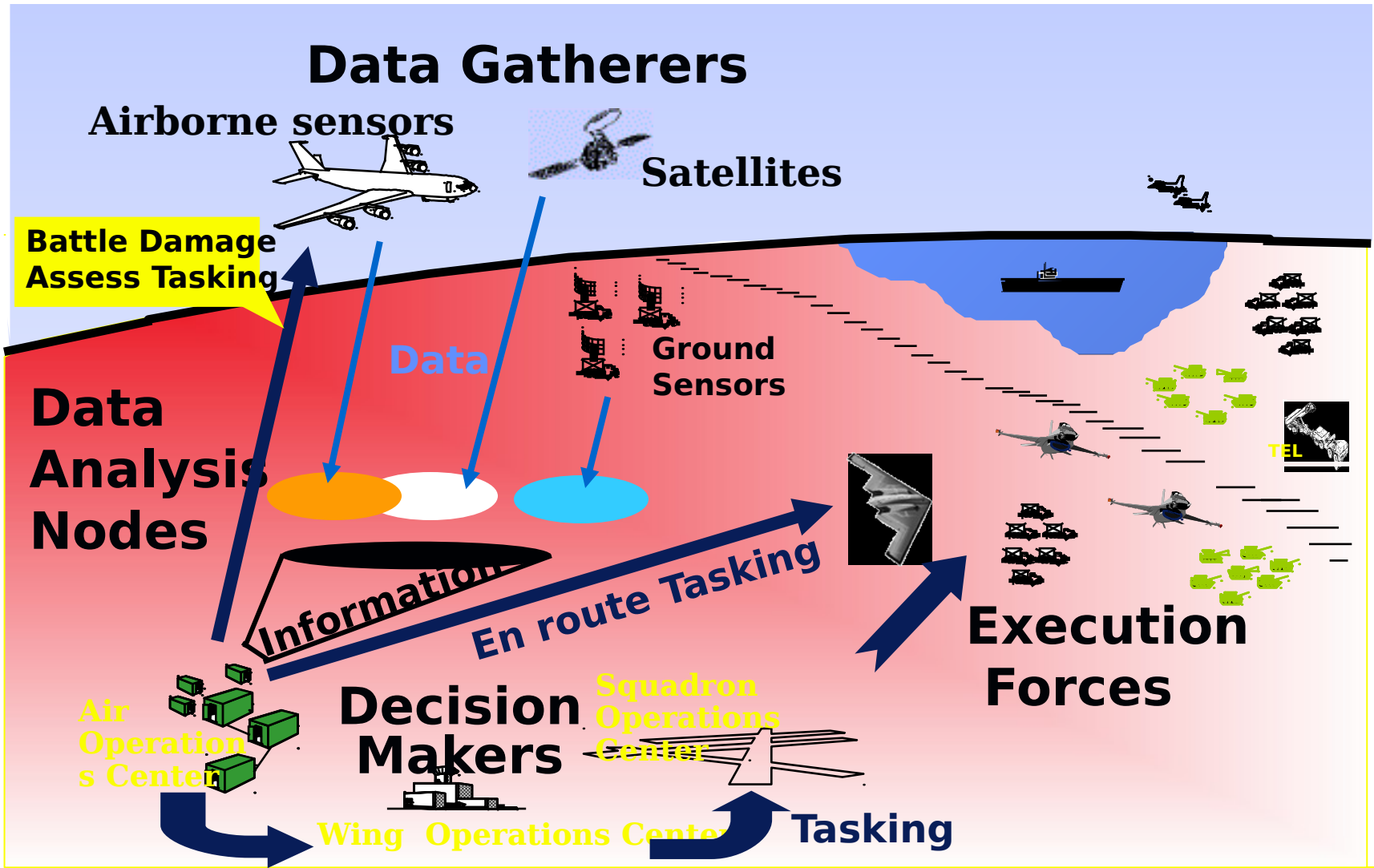
How to Change?

- **Manage C2 as a weapon system (enterprise)**
 - **Deliver integrated & interoperable systems**
- **Enable speed of change**



Theater Command & Control

An Overview



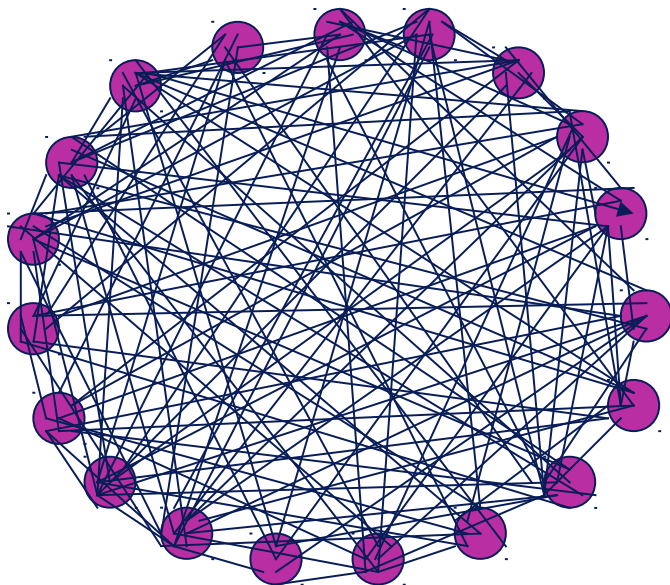


System Integration & Interoperability

Now

SYSTEM CENTRIC

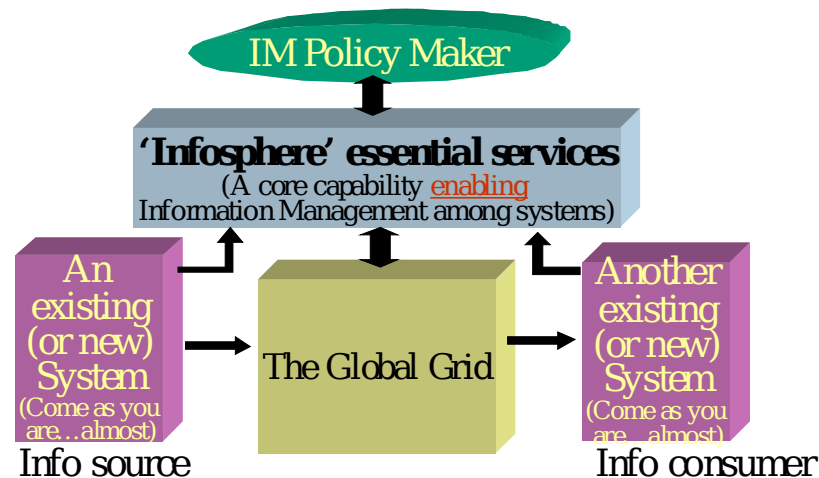
Systems are connected to each other
With dedicated circuits, or
With preplanned message interchanges for
each pairwise system-to-system connection



(n-squared problem)

Future

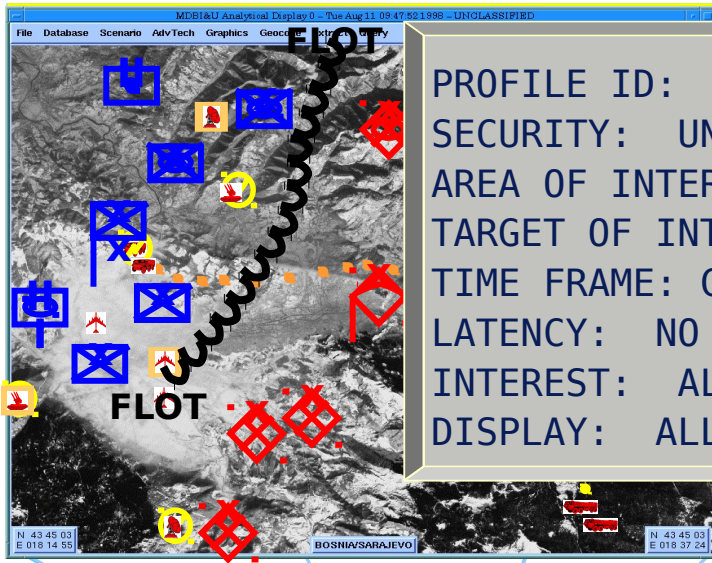
NETWORK CENTRIC



Joint Battlespace Infosphere
Information exchange
Distributed collaboration
Force/Unit interfaces
Transform data to knowledge
Managing information by content...
not by "circuit"

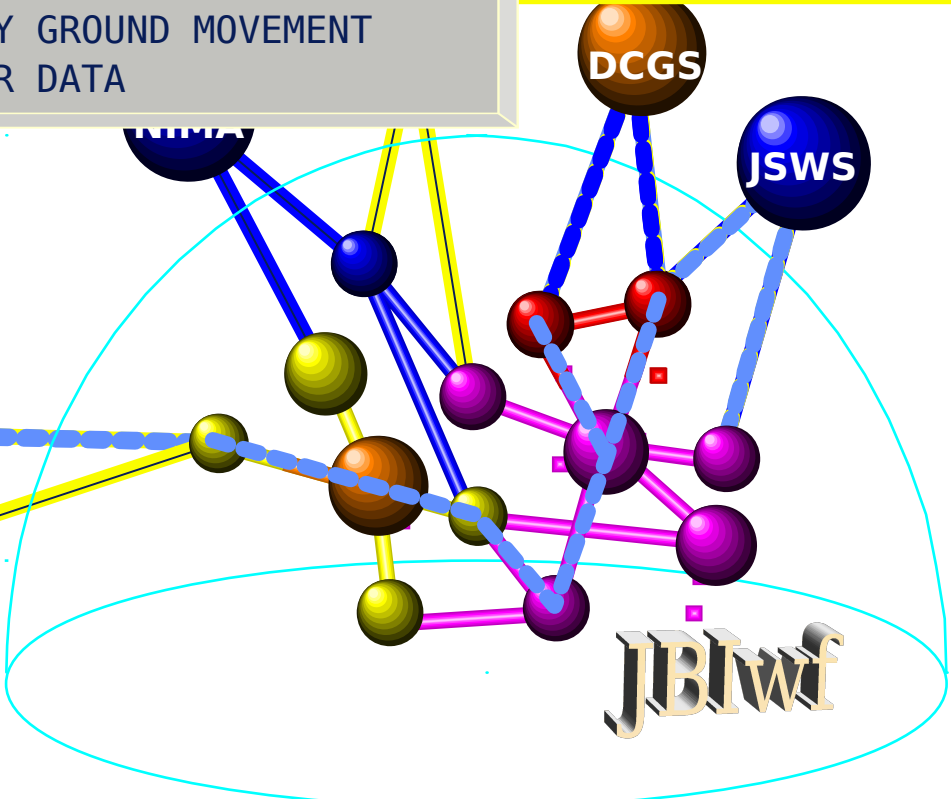


Joint Battlespace Infosphere Preparation of the Battlefield



PROFILE ID: TBMCS 0112
SECURITY: UNCLAS
AREA OF INTEREST: TQ13
TARGET OF INTEREST:
TIME FRAME: CURRENT (NO OLDER THAN 1 HOUR)
LATENCY: NO MORE THAN 1 HOUR
INTEREST: ALL ENEMY GROUND MOVEMENT
DISPLAY: ALL SENSOR DATA

JBIf continues to monitor
s and alerts
ment is

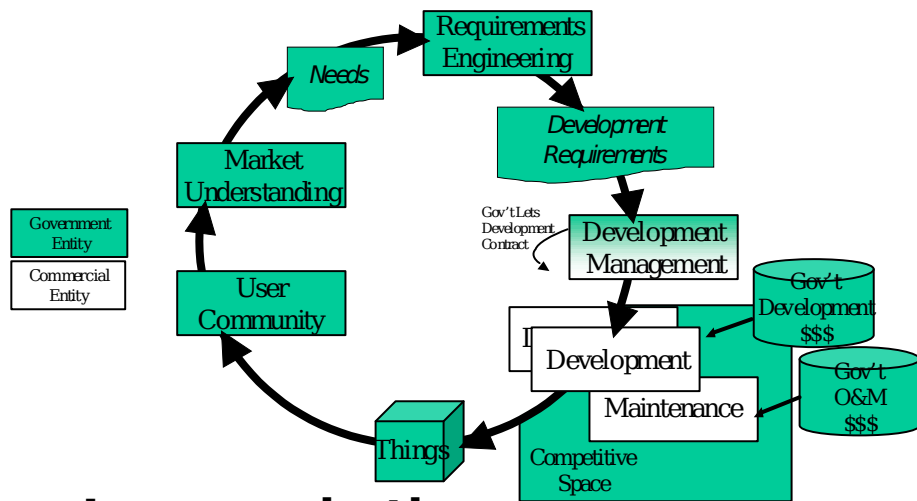




Enabling Speed of Change

Now

Traditional Development Process



Long cycle time

Waterfall sequence -- serial

Results in DoD unique systems

Non-responsive to disruptive/new technologies

Future

Rapid Acquisition--Spiral Development

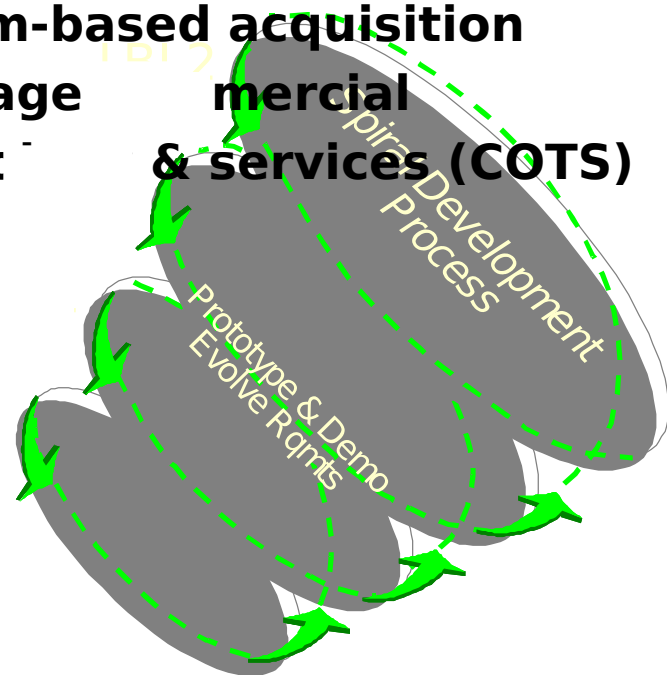
Responsive to disruptive technologies

Experimentation

Sim-based acquisition

Leverage commercial technologies

Commercial & services (COTS)





Acquisition Management

- **To enable speed of change, must leverage IT to**

improve the way we do business

- **Focus must be to alter the acquisition IM paradigm**

- **Not just execute the same process faster**

- **Information management is not a DoD unique business requirement**

- **Commercial business strategies offer lessons to DoD**

- **SecAF directed effort will explore new strategies**

Can't enable speed of change unless we revolutionize the way we do business!



Forum Objective

- **To define how should we change/augment the ESC business model used for procuring C2 systems to:**
 - **Field C2 capabilities quicker, more tailored, interoperable, and highly valued by end-users**
 - **Result in a vibrant C2 market with opportunities that attract capital and players**



Suggested Group Discussion Topics

- **Time to market -- field capability quickly**
 - **Commercial capabilities rather than military requirements**
- **New business models**
 - **Internet pace of change vice DoD waterfall process**
- **New partnerships**
 - **Who, and How should we join to drive these goals**